

NUTRIENT - PATHOGEN EVALUATION

Cedron Heights Subdivision Teton County, Idaho

NE 1/4 SW 1/4 Section 6, Township 3 North, Range 45 E., B.M.

TETON COUNTY
PLANNING & ZONING

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RECEIVED

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Full Report
is AVAILABLE IN
PLANNING DEPARTMENT
- SEE RESULTS DISCUSSION

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Back Pocket at back of Report: Plat from A-W Engineering 4 lots

1.0 INTRODUCTION

4.2 Output Results

The results of the Mass-Balance spreadsheet analysis for the proposed Cedron Heights subdivision using the input parameters discussed in Section 4.1 are shown on the N-P Spreadsheet included in Appendix "A". The two separate result sheets are included to model septic tank effluent concentrations of 45 mg/l, of nitrate nitrogen. With the point of compliance nitrate concentration goal of 3 mg/l which is 1 mg/l above the background. The current acceptable lot size is 1.1 acre lot when running the model as a whole and as running the model for one lot.

5.0 DISCUSSION OF RESULTS

The results of the Mass-Balance spreadsheet analysis for the proposed Cedron Heights subdivision indicate that standard septic system would work for this project. With the new data and information that this land does have seasonal high ground water on it in the location of the proposed drain fields, EIPH will probably require enhance septic systems for this project.

The use of conventional systems produced an acceptable lot size of 1.1 acres, but showed that a total of 4 lots on the property would meet the N-P regulations. The owner intends to do the project as a family subdivision, and has agreed to the 4 lots for this subdivision.

Though the Mass-Balance spreadsheet indicates that the 4 lots would allow a standard septic / drain field system, it is A-W Engineering opinion that when the perched water table data and this report is reviewed by EIPH, enhanced systems will be required.